Parrot
BEBOP DRONE

Users Guide (Unofficial Translation from the French 11/24/2014)

Table of Contents

Before starting 4
- Package Contents 4
- Download Application 4
- Charging the battery 4
- Installing the battery 5
- Use external protections 5
- Connect a smartphone 5
- Turn on / off the Parrot Drone Bebop 6

Steering 7
- Calibrate the Parrot Drone Bebop 7
- Switch to Map Mode 7
- Off trips 8
- Preprogrammed Figures 8
- Photos and videos 9
- Landing 10
- Return Home 11
- Battery Level 11

Settings 12
- Flight 12
- Image 13
- Photos and videos 13
- Product Name 14
- Wi-Fi 14
- Motors 15
- Information motors 15
- Versions 15

General Information 16
- Care and Maintenance 16
- Caution regarding respect for privacy 16
- Battery 16
- Warranty 17
- Amendments 18
- How to recycle this product 19
- Declaration of Conformity 19
- Trademarks 19

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Before you start

Note: For better readability, the iPhone®, iPad® and other phones compatible tablets will be designated by the term "smartphone" in this manual.

Package Contents

Parrot Drone Battery Bebop (x 2)
Additional propellers (x 4) Key propellers
Charger Electrical Adapters (x 4)
Cache USB / Micro USB
External Protections
Install the cap on the lens of the camera when carrying the Parrot Bebop Drone to protect.
If you want to change propellers, use the wrench (provided). Make sure that the propellers are installed correctly.

Download preview Application

Login to the App Store SM or TM Google Play and download the application Free FreeFlight 3.1.
Note: The application is compatible with the Parrot Drone Bebop from FreeFlight version 3.1.

Charging the battery

1. Select the adapter for your country and insert it on transformer.
2. Clip the battery on the charger and plug the charger into the mains.
> The charger light turns red to indicate that charging is in progress.
When charging, the LED turns green. Loading time of battery is about 1 hour.

Installing the battery

1. Connect the battery to the power cable. If necessary, pull the cord access the power cable of the Parrot Drone Bebop.
2. Insert the battery on the support provided for this purpose. Make sure the cord remains outside of the battery holder.
3. Attach the strap to immobilize the battery.

Use external protections

To use your Parrot Drone Bebop indoor:
1. Install the external protections to protect your Parrot Bebop Drone collision with another object.

2. Press and then, on the flight Settings screen, select Hull protection option and disable the Outdoor option.

To use your Parrot Drone Bebop outdoors:
1. Remove the external protections Parrot Drone at Bebop outdoor applications for better performance.

2. Press and then, on the flight Settings screen, clear Hull protection option and activate the Outdoor option.

Note: If you fly the Parrot Drone Bebop outside in an area with barriers, install external protection and enable both options.

Connect a smartphone

1. Turn on the Parrot Drone Bebop.
2. On your smartphone, search for Wi-Fi® networks available:
if you use an iPhone or iPad, tap Settings> Wi-Fi
if you use an Android smartphone TM, select Settings> Wireless & networks> Wi-Fi.
3. Select the BebopDrone-xxxxx network.
4. Wait until you connect your smartphone to a Wi-Fi network Parrot Bebop Drone. This connection is usually represented by the appearance of Wi-Fi logo on the smartphone screen.
5. Start FreeFlight 3.1 application.
> The connection between your smartphone and the Parrot Drone stood Bebop automatically.

See the section Settings> Wi-Fi for more information.

Turn on / off the Parrot Drone Bebop

Press the On / Off button on the back of the Parrot Drone Bebop to make it light and turn it off.

> At startup, On / Off button light flashes green and beeps sound. After switching on the Parrot Drone Bebop, the light stays green.

Steering

Note: Normal driving mode is enabled by default. To change the mode, see Settings> Control.

Start FreeFlight 3.1 app then press Start to control the Parrot Bebop Drone.

> The screen of your smartphone is locked in landscape format.

At any time, press to return to the main menu.

Calibrate the Parrot Drone Bebop

At first use, a window asking you to calibrate your Parrot Bebop Drone.

1. Follow the instructions on the screen.
2. Once the three completed manipulations, press.

Note: You can also calibrate your Parrot Drone Bebop when responding with difficulties in control. To do this, press , and select the screen Flight parameters.

Switch to Map view

You can display a map in place of the return video camera.

To do this, press . To return to the video mode, press again.

Note: For the Parrot Drone Bebop is located precisely on the map the FreeFlight 3.1 application needs to access the location service from your smartphone.

IOS, allow access to Settings> Privacy> Location Services> FreeFlight 3.1> Allow access to your location. Android, allow access in Settings> Application Manager> FreeFlight 3.1> Permissions. For information, see the manual of your smartphone.

Take-off

1. Ask the Parrot Drone Bebop on a flat, dry surface in an area without obstacle.
2. Press .
3. Press Take Off.

> The Parrot Drone flies Bebop then stays steady state of about 1 m soil.

Travel

Note: The movements depend on the status of the control parameters. Check the Settings section for more information. The description below is valid when the Normal option is on and the Left-disabled (configuration by default).

Right Joystick:

Hold the center button and tilt the smartphone forwards or backwards to direct the Parrot Drone Bebop forward or backward.

Hold the center button and tilt the smartphone to the left or right to direct the Parrot Drone Bebop to the left or right.

Left Joystick:

Preprogrammed Figures

Parrot Bebop Drone can perform tricks in flight, where the state stationary or moving.

1. Press .
2. Select the type of acrobatics you want to achieve.
3. Type 2 times on the screen of your smartphone to perform acrobatics selected

.

looping back

	before looping
	looping left
	looping right
	no figure

Photos and videos

Note: The camera lens is on the front of your Parrot Drone Bebop. The camera located under your Parrot Drone Bebop used to stabilize only.

The Parrot Drone Bebop can be used in photo mode or video mode. The mode Video is enabled by default. For more information, see Settings> Photos and videos.

Point the camera

Check tilt your camera regardless of the position of the Parrot Bebop Drone:

Normal mode and Joystick Mode: Slide two fingers on the screen in the direction of the desired orientation.

Expert Mode: Drag the knob in the direction of the desired orientation.

Take a photograph

Press the button to take a picture.

The internal memory of the Parrot Drone Bebop has a capacity of 8GB. The number maximum of photos stored on the internal memory depends on the selected format. To select the format of the photos, see the section Settings> Photos and videos. Once the memory is full, it is not possible to take a picture.

Take a video

Recording starts automatically when you press Take off.

The icon flashes while recording video.

To stop recording, press . To record a new video, press again.

Note: It is not possible to take a picture when the Parrot Drone Bebop is set to video mode. To switch to photo mode, see the section Settings > Photos and videos.

Retrieve a photo or video

To recover photos and / or videos from the app FreeFlight 3.1:

1. Press <.
2. Press [the button with 3 horizontal lines] to display the context menu.
3. Press the internal memory.

> The list of photos and videos stored in the internal memory of the Parrot Bebop Drone appears.

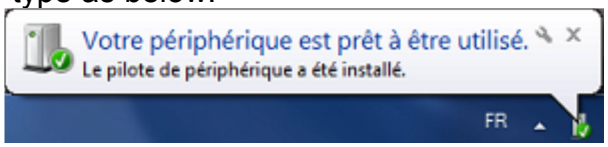
4. Select one or more photos.
5. Press Transfer to recover photos and / or videos on your smartphone or press Delete.

> When you transfer the selected photos and / or videos, a pop-up asks if you want to remove from the internal memory of the Parrot Bebop Drone.

To recover photos and / or videos on your computer:

1. Connect the Parrot Drone Bebop to your computer with the USB / micro USB (included).
2. Turn on the Parrot Drone Bebop.

> Your computer will automatically detect the Parrot Drone Bebop. Wait until the end of installing the drivers and the appearance of a pop-up of the same type as below.



The appearance, content and location of this message depends on your system operating.

3. Open the folder as if it were a USB key.

> You can copy the pictures and video recordings on your computer.

Note: The Bebop Drone Parrot battery must be installed and loaded to recover photos and videos on your computer.

Landing

Make sure the Parrot Drone Bebop is above a flat, dry surface unhindered and press Landing to land the Parrot Drone Bebop.

Emergency press only in case of emergency. The engines will intersect and Parrot Drone Bebop fall regardless of the height at which it is located. In most cases, a landing is sufficient.

Return Home

1. Press
> The display Join the starting point appears.
2. Press [the house/arrow with circle arrow in it].
> The button [described above] turns green and the Parrot Drone Bebop returns to its position Departure.

Note: If the connection between your smartphone and the Parrot Drone Bebop is lost, the
Parrot Drone Bebop automatically returns to its starting starting position.
Note: To avoid any obstacles, the Parrot Drone Bebop rises 10 m before
to return to its starting position.

Battery Level

The indicates the battery level of your Parrot Drone Bebop. The autonomy of Parrot Drone Bebop is about 11mn battery.
When the battery is low, an alert is triggered on the screen of your smartphone and On / Off button light of your Parrot Drone red Bebop comes.
Note: The number of figures performed may impact on the autonomy of the Parrot Bebop Drone.

Settings

Press to access the Parrot Drone Bebop Menu.
Move from one screen to another by dragging your finger to the right or left screen.

At any time, press to return to factory settings. This will remove Also the configurations and the information stored in the internal memory Parrot Drone Bebop.
Note: You can also return to factory settings without going through application. To do this, turn on the Parrot Drone Bebop and press for 10 seconds on the On / Off button.

Flight

To adjust the speed:
Select the flight Settings screen.
Use the vertical speed max option to set the maximum speed of the Parrot Bebop Drone when you do go up.
Use the Speed max option to set the maximum speed of Parrot Drone Bebop when you rotate.
The speed of your Parrot Drone Bebop as it moves horizontally depends tilt your smartphone.
Note: External protections slow Parrot Drone Bebop when used outside.
To adjust the altitude:
Altitude max option to limit the maximum altitude of the Parrot Drone in Bebop vol. When the Parrot Drone Bebop is about to exceed this limit, automatically falls back to the selected height.
To adjust the angle:
The max Tilt option sets the maximum angle of inclination of the Parrot Bebop Drone forward or backward when in flight.
The higher the value, the higher the pitch of the Parrot Drone Bebop is important. Plus value is, the higher the pitch of the Parrot Drone Bebop is low.

Note: This setting affects acceleration. If the pitch is large, the Parrot Drone Bebop takes speed faster.

Image

Select the image settings screen to adjust the color of pictures and videos.

Press to adjust the contrast of the image.
Press to adjust the exposure of the image.

Adjust the white balance to your environment by selecting the buttons:

	automatic
	sunny outdoors
	overcast outdoor
	neon interior lighting
	Interior lighting bulb

Photos and videos

Note: The camera lens is on the front of your Parrot Drone Bebop. The camera located under your Parrot Drone Bebop used for stabilization only.

To activate photos or video:

1. Select the Recording Settings screen.
2. Select the Photo or Video mode.

Note: The video mode is enabled by default.

Note: In video mode, it is possible to take pictures. In photo mode, it is not record video.

To choose an image format:

1. Select the Recording Settings screen.
2. Choose the PNG or JPEG format.

To trigger the camera automatically:

1. Select the Recording Settings screen.
2. Select the timelapse mode.
3. Choose the interval between photos by swiping your finger on the circle

selection. If you choose 5 ", the Parrot Drone Bebop take a picture every 5 seconds.

Product Name

The name of your Parrot Drone Bebop appears in the list of Wi-Fi devices your smartphone and in the Settings menu of the application FreeFlight 3.1.
To change the name of your Parrot Drone Bebop:
1. Select the Network Settings screen.
2. Change the name of your Parrot Drone Bebop in the Product Name field.
3. Restart your Parrot Drone Bebop.

Note: The name of the Parrot Drone Bebop can only contain letters, numbers, and underscores ("_"). Its length should not exceed 32 characters.

Wi-Fi

Before you begin, check the user manual (or specifications techniques) from your smartphone if it supports the connection to the wireless 5GHz band. Whether this is not the case, use only Wi-Fi 2.4 GHz band.
Wireless 5GHz band generally provides better performance Parrot Drone Bebop, Wi-Fi 2.4 GHz band being more crowded.
Localization parameters enable the Wi-Fi settings based the legislation of selected countries. Depending on the mode (external or internal) and the country selected, all the choice can not be allowed to be. In some countries, example, the use of Wi-Fi 5GHz band can be banned outdoor mode.
In automatic mode, FreeFlight 3.1 automatically selects a channel Depending on the country, mode (indoor or outdoor), Wi-Fi band selected and congestion of the channels. If you find a problem in terms of quality Wi-Fi:
1. Select the Network Settings screen.
2. Select the manual mode.
3. Select a channel not overloaded on this or the displayed information on the diagram: each curve represents an access point and the height of a curve represents the signal strength. Prefer a channel on which you do not see no curves or on which the signal strength is low.

If your smartphone does not support the connection to the wireless 5GHz band, you ability to manually route the network generated by the Parrot Drone on the Bebop Wi-Fi 2.4 GHz band without using the application:
Hold for 3 seconds on the On / Off button.
> The LED turns amber to vert.Le Parrot Drone Bebop is on
Wi-Fi band 2.4.

Engine information

Select the screen to display engine information:
engine condition;
the software version;
the date of the last flight;
total flight time;
the date of the last error.

Versions

Select the screen to display information:
the version number of the FreeFlight 3.1 application on your smartphone;
the firmware version installed on your Parrot Drone Bebop;
the hardware version of your Parrot Drone Bebop.

General information

Care and Maintenance

The Parrot Drone Bebop is not suitable for children under 14 years.
Using the Parrot Drone Bebop in certain places in the public domain (eg station, airports ...) or on the road may not be allowed. Make sure that use of the Parrot Drone Bebop is allowed in the place where you are.
It is recommended to use the Parrot Drone Bebop indoors. If sand or dust enters Bebop Drone Parrot, it can no longer function properly, irreversibly. Do not place the Parrot Drone Bebop on water or on a wet surface. Do not use this apparatus near water.
Do not let the Parrot Drone Bebop to the sun. This could cause damage irreversible.
Risk of ingestion of small elements. The packages are not part of the product and must be discarded for safety reasons. Use only the specified accessory by the manufacturer.

Caution regarding respect for privacy

Record and broadcast the image of a person without their permission may be an attack on his image, in his private life and be capable of engaging your responsibility. Ask permission before filming in persons, especially if you want to keep your records and / or distribute your videos on the Internet or any other media. Do not post or degrading images that could affect the reputation or dignity of a person. Using the Parrot Jumping to Sumo for surveillance, spying is strictly prohibited and may be penalized by law. Check that your use of onboard cameras on the Parrot Bebop Drone complies with the legal provisions on the protection of privacy.

Battery

Never use anything other than an approved LiPo charger. Always use a balancing LiPo charger or balancer cells LiPo cells. Never load via a drain wire. Never perform trickle charging, or

below 2.5 V per cell. The battery temperature should never exceed 60 ° C (140 ° F). Never disassemble or modify the wiring of housing, or puncture cells. Do not place on combustible materials or leave unattended while charging. Always charge in a place fireproof. Always ensure that the charger output voltage corresponds to the battery voltage. Always keep out of reach of children. Misuse of the battery may cause fires, explosions or other hazards.

Warranty

Without prejudice to the legal guarantee and the application of Articles L -211-4, L 211-5 and
L211-12 of the Consumer Code and Articles 1641 to 1646 of the French Civil Code, PARROT contractually guarantees for a period of 12 months from the date of original purchase by the consumer (except wear parts guarantees 6 months), the Parrot Drone Bebop is free from defects in material and workmanship, upon presentation of proof of purchase (date, place of purchase, serial number of the product) to
dealer.
During the contractual warranty period, the defective product must be returned in its original from the dealer after-sales services package. After product inspection, PARROT, in its sole discretion, will repair or replacement of the defective part or product, to the exclusion of any other compensation.
The warranty does not cover:
Defects due to alteration or damage to the product caused by fall, accidental shock,
Defects due to abnormal use of the product, an assembly of parts
Spare not comply with the recommendations and instructions provided by PARROT in this manual or on the website www.parrot.com, customization of the Parrot Bop Drone by the user,
Defects due to repair by the user or an unauthorized third party,
off trade spare parts supplied by PARROT,
Defects caused by parts not provided by PARROT in the package original
or use of parts not approved by PARROT, especially
the use of non approved by PARROT battery as the battery bona fide,
Defects due to any reason other than defects in material or workmanship,
A progressive weakening of the time in the battery capacity
Rechargeable PARROT (086x) do not constitute a defect in materials or manufacturing.

Any product found to be non-defective after analysis, will be returned to the sender its costs plus a fee to cover the costs of PARROT tests.
Information on Customer Service, we inform you that there is no necessary Parrot media center approved in all countries. If you purchased the product in another country than your home, it may be asked to return it at your expense to the country of the place of purchase or to another country for repair or exchange.
In some countries the expiry of the period of 12 months or if the defect is not covered by the warranty, any defective product can be returned to the platform SAV PARROT, for repair or replacement of the defective part to the buyer's expense and after acceptance of the corresponding estimate.
Spare parts - except wearing parts (eg batteries) - sold separately are warranted for a period of 12 months under the same conditions as described above. The warranty does not cover damage to other products including equipment used to operate the Parrot Bebop Drone.

Changes

The explanations and specifications in this guide are provided for information purposes only and may be changed without notice. These Information is correct at time of printing and great care is made when writing to provide you with the most accurate information possible. However, Parrot shall not be held responsible, directly or indirectly, possible damage or accidental loss of data resulting an error or omission in this document. Parrot reserves the right to amend or improve the product design or user guide without any restriction or obligation to warn the user. Under attention by Parrot SA on improving our products, it is possible that the product you purchased differs slightly from the one described in this document. In this If you can possibly find a new version of the user guide electronically on the www.parrot.com website.

How to recycle this product

The symbol on the product or its literature indicates that it should not be eliminated end of life with other household waste. Uncontrolled waste disposal possible harm to the environment or human health, please separate the from other types of wastes and recycle it responsibly. You will promote and the sustainable reuse of material resources. Individuals are invited to contact the retailer where they purchased this product, or inquire at their town hall to where and how they can take this item for it recycled in an environmentally. Companies are invited to contact their supplier and check the conditions of the purchase contract. This product should not be disposed of with other commercial waste.

Declaration of Conformity

Parrot SA 174 quai de Jemmapes, 75010 Paris, France, declare under our sole responsibility that the product described in this user guide is in compliance with technical standards EN 301489-17 (v2.2.1) EN 301489-1 (v1.9.2) EN300328 (V1.8.1), EN 301 893 (V1.7.1), EN71-1, EN71-2, EN71-3, EN62115, EN62321 following the provisions of the R & TTE Directive 1999/5 / EC, the general safety directive Products 2001/95 / EC and Directive RoHS 2011/65 / EC.

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